SYSTEMS AND METHOD FOR DELIVERING RELIABLE DATAGRAM SERVICE THROUGH CONNECTION-ORIENTED SERVICE

Abstract

A system and method for reliabe delivery of
30 datagram protocol data unit (PDU) packets generated by a
network oriented application at a first computing network
element to a second computing network element across a
network. The method steps include: at the first computing
network element, capturing generated datagram packets
35 destined for the second computing network element;
determining a size of a payload associated with the
datagram and communicating the size of the payload to the
second computing element via a reliable connection-
oriented transport service PDU; communicating the actual
40 payload to the second computing element via the reliable
connection-oriented transport service PDU; and, at the
second computing network element, utilizing payload size
and payload to reconstruct a datagram PDU including the
payload for a network application at the second computing
45 network element. By this technique, reliable datagram
PDU transport over the network is ensured.

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